WHAT IS CLAIMED IS:

1. A body-worn electrode apparatus comprising:

an electrode to be worn on a surface of a body; and

a wiring connected to the electrode,

at least a part of the wiring including: a base material film having a split induction part; and a circuit formed on a surface of the base material film into a shape detouring around the split induction part.

2. The body-worn electrode apparatus according to claim 1,

wherein the circuit is printed on the base material film.

3. The body-worn electrode apparatus according to claim 1 or 2,

wherein at least a part of the wiring further includes a first soft member,

the base material film is disposed on the first soft member, and the first soft member includes a split induction part along the split induction part of the base material film.

4. The body-worn electrode apparatus according to claim 3,

wherein a second soft member is further laminated on the circuit, and the first soft member and the second soft member are disposed on outermost surfaces of the wiring.

5. The body-worn electrode apparatus according to any one of claims 1 to 4, wherein the circuit includes at least two segments disposed substantially in parallel to each other at opposite positions across the split induction part.

6. The body-worn electrode apparatus according to any one of claims 1 to 5, wherein the circuit detouring around the split induction part is formed within a range of a horizontal to vertical ratio of 2 or less.

7. The body-worn electrode apparatus according to any one of claims 1 to 6, wherein an electrode base material film is provided on a surface of the electrode, and a whole width of the base material film constituting a part of the wiring is set within a range of from 0.8 to 1.5 with respect to a whole width of the electrode base material film.

8. The body-worn electrode apparatus according to any one of claims 1 to 7, wherein the split induction part includes a perforated break line.

9. The body-worn electrode apparatus according to claim 8, wherein breaking strength of the perforated break line is from 0.2 to 5.0 N per

perforation.

10. The body-worn electrode apparatus according to any one of claims 2 to 9,

wherein the soft member includes at least one selected from a nonwoven fabric, a foamed material, an olefin film, a vinyl chloride film, and a polyurethane film.